

Title (en)
ETHYLENE RECEPTOR BIOSENSOR

Title (de)
ETHYLENREZEPTOR-BIOSENSOR

Title (fr)
BIOCAPTEUR À RÉCEPTEUR D'ÉTHYLÈNE

Publication
EP 3796832 B1 20240103 (EN)

Application
EP 19806687 A 20190516

Priority
• US 201862674639 P 20180522
• US 2019032731 W 20190516

Abstract (en)
[origin: WO2019226464A1] The present disclosure relates to biosensors (10) having a receptor layer (5) and a mediator layer (6), the receptor layer including ethylene receptor molecules. The present disclosure also relates to sensor units (20) comprising one or more biosensors (10) and a controller (11). In some embodiments, one or more sensor units (20) may be in wireless communication with a receiver module or a network gateway.

IPC 8 full level
A61B 5/00 (2006.01); **A61B 5/145** (2006.01); **A61B 5/1486** (2006.01); **C07F 17/02** (2006.01); **C12M 1/40** (2006.01); **G01N 33/543** (2006.01)

CPC (source: EP US)
A61B 5/1486 (2013.01 - US); **C07K 14/415** (2013.01 - EP US); **G01N 27/07** (2013.01 - US); **G01N 27/3275** (2013.01 - US); **G01N 27/3276** (2013.01 - EP US); **G01N 27/4045** (2013.01 - US); **G01N 33/5302** (2013.01 - US); **G01N 33/5308** (2013.01 - US); **G01N 33/5438** (2013.01 - EP US); **G01N 33/0047** (2013.01 - EP US); **G01N 33/025** (2013.01 - EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2019226464 A1 20191128; AU 2019272518 A1 20201210; AU 2019272518 B2 20240613; AU 2019445710 A1 20211125; BR 112020023538 A2 20210504; BR 112021022741 A2 20220111; CN 112188862 A 20210105; CN 113826012 A 20211221; EP 3796832 A1 20210331; EP 3796832 A4 20220427; EP 3796832 B1 20240103; EP 3796832 C0 20240103; EP 3969902 A1 20220323; EP 3969902 A4 20230125; MX 2020012454 A 20210623; MX 2021013848 A 20220107; US 11054379 B2 20210706; US 11360042 B2 20220614; US 11662330 B2 20230530; US 2020264125 A1 20200820; US 2020292484 A1 20200917; US 2021372963 A1 20211202; US 2024060929 A1 20240222; WO 2020231466 A1 20201119

DOCDB simple family (application)
US 2019032731 W 20190516; AU 2019272518 A 20190516; AU 2019445710 A 20191119; BR 112020023538 A 20190516; BR 112021022741 A 20191119; CN 201980034453 A 20190516; CN 201980096364 A 20191119; EP 19806687 A 20190516; EP 19928548 A 20191119; MX 2020012454 A 20190516; MX 2021013848 A 20191119; US 2019062253 W 20191119; US 202016798375 A 20200223; US 202016798377 A 20200223; US 202117338253 A 20210603; US 202318134790 A 20230414